CLAIMS

What is claimed is:

1   1.   A computer system comprising:

2   a compressor/decompressor (codec); and

3   an integrity agent, wherein the integrity agent verifies the authenticity of one or

4   more functions utilized by the codec to assist in the decompression of received content.

1   2.   The computer system of claim 1 wherein the integrity agent decodes the received

2   content prior to verifying the one or more functions.

1   3.   The computer system of claim 1 further comprising a system module, wherein the

2   one or more functions utilized by the codec to assist in the decompression of received

3   content codec are included within the system module.

1   4.   The computer system of claim 1 wherein the integrity agent receives a first

2   verification voucher that describes the integrity of the codec.

1   5.   The computer system of claim 1 wherein the integrity agent further receives a

2   second verification voucher that describes the integrity of the functions within the system

3   module that are utilized by the codec to assist in the decompression of the received

4   content.

1   6.   The computer system of claim 1 further comprising a player application.

1   7.   A trusted player comprising:

2   a compressor/decompressor (codec); and

3   an integrity agent, wherein the integrity agent verifies the authenticity of one or

4   more functions utilized by the codec to assist in the decompression of received content.

1   8.   The trusted player of claim 7 wherein the integrity agent decodes the received

2   content prior to verifying the one or more functions.

1   9.   The trusted player of claim 7 further comprising a system module, wherein the

2   one or more functions utilized by the codec to assist in the decompression of received

3   content codec are included within the system module.

1   10.   The trusted player of claim 7 wherein the integrity agent receives a first

2   verification voucher that describes the integrity of the codec.

1   11.   The trusted player of claim 7 wherein the integrity agent further receives a second

2   verification voucher that describes the integrity of the functions within the system module

3   that are utilized by the codec to assist in the decompression of the received content.

1   12.   The trusted player of claim 8 further comprising a player application.

1   13.   A method comprising:

2   receiving content at a compressor/decompressor (codec);

3   calling a function of a first component of a system module from the codec to

4   assist in decoding the digital content;

5   intercepting the function call to the first component of the system module at an

6   integrity agent;

7   and

8   verifying the authenticity of the first component of the system module at the

9   integrity agent.

1   14.   The method of claim 13 wherein verifying the authenticity of the first component

2   of the system module comprises computing a digest of a memory image of the first

3   component.

1   15.   The method of claim 13 further comprising preventing the playback of the digital

2   content if the first module is not authentic.

1   16.   The method of claim 13 further comprising executing the function call to the first

2   component of the system module if the first module is authentic.

1   17.   The method of claim 16 further comprising:

2   determining whether the codec is to call a function of a second component of the

3   system module to assist in decoding the content;

4   if so, intercepting the function call to the second component of the system module

5   at the integrity agent;

6   and

7   verifying the authenticity of the second component of the system module at the

8   integrity agent.

1   18.   The method of claim 17 further comprising playing the digital content if it is

2   determined that the codec is not to call a function of a second component of the system

3   module to assist in decoding the content.

1   19.   The method of claim 16 further comprising:

2   verifying the authenticity of the second component of the system module prior to

3   calling the function of the first component of a system module; and

4   preventing the playback of the digital content if the codec is not authentic.

1   20.   An article of manufacture including one or more computer readable media that

2   embody a program of instructions for verifying the authenticity of one or more functions

3   utilized by a compressor/decompressor (codec) to assist in decoding the digital content,

4   wherein the program of instructions, when executed by a processing unit, causes the

5   processing unit to:

6   call a function of a first component of a system module from the codec;

7   intercept the function call to the first component of the system module;

8   and

9   verify the authenticity of the first component of the system module.

1 21. The article of manufacture of claim 20 wherein verifying the authenticity of the

2 first component of the system module comprises computing a digest of a memory image

3 of the first component.

1 22. The article of manufacture of claim 20 wherein the program of instructions, when

2 executed by a processing unit, further causes the processing unit to prevent the playback

3 of the digital content if the first module is not authentic.

1 23. The method of claim 20 wherein the program of instructions, when executed by a

2 processing unit, further causes the processing unit to execute the function call to the first

3 component of the system module if the first module is authentic.

1 24. The method of claim 23 wherein the program of instructions, when executed by a

2 processing unit, further causes the processing unit to:

3   determine whether the codec is to call a function of a second component of the

4 system module to assist in decoding the content;

5   if so, intercept the function call to the second component of the system module;

6 and

7   verify the authenticity of the second component of the system module.